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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/682,997	07/18/1996	MOTOHIRO ISHIKAWA	B208-837	9770

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EXAMINER

RAO, ANAND SHASHIKANT

ART UNIT	PAPER NUMBER
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2613

36

DATE MAILED: 03/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

08/682,997

Applicant(s)

ISHIKAWA ET AL.

Examiner

Andy S. Rao

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 January 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 29-38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 29-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submissions filed on 1/27/03 has been entered.

Response to Amendment

2. As per the Applicants' instructions as filed in Paper 35 on 1/27/03, claims 1-28 have been canceled, and claims 29-38 have been added.
3. Applicants' arguments with respect to claims 29-38 as filed in Paper 35 on 1/27/03 have been considered but are moot in view of the new ground(s) of rejection addressing the newly added claims.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claims 29-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takizawa et al., (hereinafter referred to as "Takizawa") in view of Lightbody et al., (hereinafter referred to as "Lightbody").

Takizawa discloses an image pickup system comprising: an image pickup device for forming a digital image signal (Takizawa: column 4, lines 10-15); a device recognition attribute information memory for storing device recognition attribute information (Takizawa: column 3, lines 9-12); an interface part arranged to communicate with the external apparatus (Takizawa: column 4, lines 57-60), wherein said interface part sends said device recognition attribute information to said external apparatus (Takizawa: column 3, lines 60-64), then said interface part receives said external control signal with which the digital image signal is controlled (Takizawa: column 3, lines 64-65) according to the result of recognition by said external apparatus (Takizawa: column 3, lines 51-62), as in claim 29. However, Takizawa fails to specifically disclose a color space converting part as a part of the image pickup system, wherein said color space converting part is arranged to convert color of said digital image signal in response to an external color control signal from an external apparatus, wherein said color space converting part converts the color space of said digital image signal in response to an external color control signal from an external apparatus, as in the claim. Lightbody discloses the use of a plurality of diverse color space converting means (Lightbody: column 5, lines 14-27: "variety of R,G,B, encoding output formats..."), arranged to convert color of said digital image signal (Lightbody: column 4, lines 15-25; column 5, lines 1-5) in response to an external color control signal from an external apparatus (Lightbody: column 3, lines 35-40) in order to reduce an amount of image signals (Lightbody: column 5, lines 20-25: "window clipping parameters") for

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output to a plurality of external devices (Lightbody: column 5, lines 42-53) for video editing applications (Lightbody: column 6, lines 43-65). It would have been obvious for one of ordinary skill in the art to incorporate the use of the Lightbody plurality of color space converting means (Lightbody: column 5, lines 14-27), wherein the color space converting apparatus would controlled in accordance with the external processing apparatus (Lightbody: column 4, lines 15-25; column 5, lines 1-5) for use in an image processing apparatus for output to a plurality of external devices (Lightbody: column 5, lines 42-53) as downloadable into the Takizawa program memory from the external interface (Takizawa: column 4, lines 52-63) in order to enable to Takizawa system have the capability for video editing applications (Lightbody: column 6, lines 43-65). The Takizawa system, now incorporating the Lightbody plurality of color space converting means as discussed above, has all of the features of claim 29.

Regarding claim 30, the Takizawa system, now incorporating the Lightbody plurality of color space converting means as discussed above, has the color converting means converting color space (Lightbody: column 5, lines 10-15), as in the claim.

Regarding claim 31, the Takizawa system, now incorporating the Lightbody plurality of color space converting means as discussed above, has the external apparatus being a PC (Lightbody: column 2, lines 10-15), as in the claim.

Regarding claim 32, the Takizawa system, now incorporating the Lightbody plurality of color space converting means as discussed above, is directly connectable with said PC (Lightbody: column 6, lines 35-45), as in the claim.

Takizawa discloses an image pickup method comprising: picking up an image to form a digital image signal (Takizawa: column 4, lines 10-15); storing device recognition attribute

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information in a device recognition attribute information memory (Takizawa: column 3, lines 9-12); sending said device recognition attribute information (Takizawa: column 4, lines 57-60) to said external apparatus through an interface part (Takizawa: column 3, lines 60-64); and receiving said external control signal with which said digital image signal is controlled (Takizawa: column 3, lines 64-65) according to the result of recognition by said external apparatus (Takizawa: column 3, lines 51-62), as in claim 33. However, Takizawa fails to specifically disclose a color space converting step as a part of the image pickup method, wherein said color space converting step is arranged to convert color of said digital image signal in response to an external color control signal from an external apparatus, wherein said color space converting step converts the color space of said digital image signal in response to an external color control signal from an external apparatus, as in the claim. Lightbody discloses the use of a plurality of diverse color space converting steps (Lightbody: column 5, lines 14-27: "variety of R,G,B, encoding output formats..."), arranged to convert color of said digital image signal (Lightbody: column 4, lines 15-25; column 5, lines 1-5) in response to an external color control signal from an external apparatus (Lightbody: column 3, lines 35-40) in order to reduce an amount of image signals (Lightbody: column 5, lines 20-25: "window clipping parameters") for output to a plurality of external devices (Lightbody: column 5, lines 42-53) for video editing applications (Lightbody: column 6, lines 43-65). It would have been obvious for one of ordinary skill in the art to incorporate the use of the Lightbody plurality of color space converting step (Lightbody: column 5, lines 14-27), wherein the color space converting apparatus would controlled in accordance with the external processing apparatus (Lightbody: column 4, lines 15-25; column 5, lines 1-5) for use in an image processing apparatus for output to a plurality of

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external devices (Lightbody: column 5, lines 42-53) as downloadable into the Takizawa program memory from the external interface (Takizawa: column 4, lines 52-63) in order to enable to Takizawa system have the capability for video editing applications (Lightbody: column 6, lines 43-65). The Takizawa method, now incorporating the Lightbody plurality of color space converting step as discussed above, has all of the features of claim 33.

Regarding claim 34, the Takizawa method, now incorporating the Lightbody plurality of color space converting step as discussed above, has the color converting step converting color space (Lightbody: column 5, lines 10-15), as in the claim.

Takizawa discloses an image processing apparatus connectable to an image pickup an image pickup device that forms a digital image signal (Takizawa: column 4, lines 10-15), wherein said image pickup apparatus comprises a device recognition attribute information memory for storing device recognition attribute information (Takizawa: column 3, lines 9-12), and an interface part arranged to communicate with the external apparatus (Takizawa: column 4, lines 57-60), comprising: a communication part arranged to receive said device recognition attribute information from said image pickup apparatus to recognize said image pickup apparatus (Takizawa: column 3, lines 60-64); a recognizing part arranged to recognize the image pickup apparatus in response to said device recognition attribute information (Takizawa: column 3, lines 64-65); and a control part arranged to send the external control signal to said image pickup apparatus through said communication part to control said digital image signal according to a result of recognition by said recognition by said recognizing part (Takizawa: column 3, lines 51-62), as in claim 35. However, Takizawa fails to specifically disclose a color space converting part as a part of the image pickup system, wherein said color space converting part is arranged to

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convert color of said digital image signal in response to an external color control signal from an external apparatus, wherein said color space converting part converts the color space of said digital image signal in response to an external color control signal from an external apparatus, as in the claim. Lightbody discloses the use of a plurality of diverse color space converting means (Lightbody: column 5, lines 14-27: "variety of R,G,B, encoding output formats..."), arranged to convert color of said digital image signal (Lightbody: column 4, lines 15-25; column 5, lines 1-5) in response to an external color control signal from an external apparatus (Lightbody: column 3, lines 35-40) in order to reduce an amount of image signals (Lightbody: column 5, lines 20-25: "window clipping parameters") for output to a plurality of external devices (Lightbody: column 5, lines 42-53) for video editing applications (Lightbody: column 6, lines 43-65). It would have been obvious for one of ordinary skill in the art to incorporate the use of the Lightbody plurality of color space converting means (Lightbody: column 5, lines 14-27), wherein the color space converting apparatus would be controlled in accordance with the external processing apparatus (Lightbody: column 4, lines 15-25; column 5, lines 1-5) for use in an image processing apparatus for output to a plurality of external devices (Lightbody: column 5, lines 42-53) as downloadable into the Takizawa program memory from the external interface (Takizawa: column 4, lines 52-63) in order to enable the Takizawa system to have the capability for video editing applications (Lightbody: column 6, lines 43-65). The Takizawa system, now incorporating the Lightbody plurality of color space converting means as discussed above, has all of the features of claim 35.

Regarding claim 36, the Takizawa system, now incorporating the Lightbody plurality of color space converting part as discussed above, has the color converting means converting color space (Lightbody: column 5, lines 10-15), as in the claim.

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Takizawa discloses an image processing method for processing a digital image signal received from an image pickup device that forms a digital image signal (Takizawa: column 4, lines 10-15), wherein said image pickup apparatus comprises a device recognition attribute information memory for storing device recognition attribute information (Takizawa: column 3, lines 9-12), and an interface part arranged to communicate with the external apparatus (Takizawa: column 4, lines 57-60), comprising: receiving said device recognition attribute information from said image pickup apparatus to recognize said image pickup apparatus (Takizawa: column 3, lines 60-64); recognizing the image pickup apparatus in response to said device recognition attribute information (Takizawa: column 3, lines 64-65); sending the external control signal to said image pickup apparatus through said communication part to control said digital image signal according to a result of recognition by said recognition by said recognizing part (Takizawa: column 3, lines 51-62), as in claim 37. However, Takizawa fails to specifically disclose a color space converting part as a part of the image pickup system, wherein said color space converting part is arranged to convert color of said digital image signal in response to an external color control signal from an external apparatus, wherein said color space converting part converts the color space of said digital image signal in response to an external color control signal from an external apparatus, as in the claim. Lightbody discloses the use of a plurality of diverse color space converting means (Lightbody: column 5, lines 14-27: "variety of R,G,B, encoding output formats..."), arranged to convert color of said digital image signal (Lightbody: column 4, lines 15-25; column 5, lines 1-5) in response to an external color control signal from an external apparatus (Lightbody: column 3, lines 35-40) in order to reduce an amount of image signals (Lightbody: column 5, lines 20-25: "window clipping parameters") for output to a

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plurality of external devices (Lightbody: column 5, lines 42-53) for video editing applications (Lightbody: column 6, lines 43-65). It would have been obvious for one of ordinary skill in the art to incorporate the use of the Lightbody plurality of color space converting means (Lightbody: column 5, lines 14-27), wherein the color space converting apparatus would controlled in accordance with the external processing apparatus (Lightbody: column 4, lines 15-25; column 5, lines 1-5) for use in an image processing apparatus for output to a plurality of external devices (Lightbody: column 5, lines 42-53) as downloadable into the Takizawa program memory from the external interface (Takizawa: column 4, lines 52-63) in order to enable to Takizawa system have the capability for video editing applications (Lightbody: column 6, lines 43-65). The Takizawa method, now incorporating the Lightbody plurality of color space converting part as discussed above, has all of the features of claim 37.

Regarding claim 38, the Takizawa method , now incorporating the Lightbody plurality of color space converting step as discussed above, has the color converting means converting color space (Lightbody: column 5, lines 10-15), as in the claim.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (703)-305-4813. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris S. Kelley can be reached on (703)-305-4856. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703)-308-6606 for regular communications and (703)-308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-4700.

Andy S. Rao
Primary Examiner
Art Unit 2613

ANDY RAO
PRIMARY EXAMINER



asr
March 14, 2003